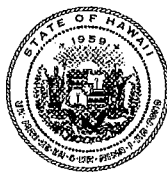


LINDA LINGLE
GOVERNOR



RUSS K. SAITO
Comptroller

KATHERINE H. THOMASON
Deputy Comptroller

STATE OF HAWAII

WIRELESS ENHANCED 911 BOARD

WIRELESS ENHANCED 911 BOARD

January 13, 2006
10:00 a.m.

Department of Accounting and General Services
Comptroller's Conference Room 410
Kalanimoku Building
1151 Punchbowl Street
Honolulu, Hawaii 96813

AGENDA

- I. Call to order
- II. Review of minutes
- III. Committee Updates by Chairs
 - a. Finance Committee
 - b. Technical Committee
 - c. Policies and Objectives Committee
 - d. Administration Committee
- IV. PSAP Status Updates
 - a. Kauai
 - b. Oahu
 - c. Molokai
 - d. Maui
 - e. Hawaii
- V. Approval of subcontractors Akimeka Technologies LLC and 911 Insight to be engaged by Akimeka, LLC in performance of Executive Director and operational responsibilities.
- VI. Announcements
- VII. Next meeting date
- VII. Adjournment

Wireless Enhanced 911 Board Minutes of January 13, 2006 Meeting

Board Members in Attendance: Roy Irei, Gordon Bruce, Dexter Takashima, Joel Matsunaga, Russ Saito, John Cole, Pete Jaeger, Milton Matsuoka, Richie Nakashima, and Jeff Yamane. Staff in attendance: Kerry Yoneshige (Department of Accounting and General Services) and Patricia Ohara (Department of the Attorney General). Milton Matsuoka had the proxy for Paul Ferreira.

1. The Chair called the meeting to order at 10:07 a.m.
2. The minutes of the December 9, 2005 meeting were approved.
3. Finance Committee Report:
 - General fund had approximately \$8.5 million.
 - Second Intrado invoice has been paid.
 - Finance Committee Chair recommended that an audit be done to provide a clean transition point for the Executive Director to take over the finances. The Board approved the recommendation to have an audit done. The Board is also authorized by statute to perform the audit.
4. Technical Committee Report:
 - Representatives of Hawaiian Telecom gave a presentation on Voice Over Internet Protocol Impact to 911 in Hawaii. The presentation was made in response to a request by Vonage seeking assistance to bring all PSAPs to be VOIP E-911 enabled. After discussion, the Board determined that this request was outside their jurisdiction. Members also reviewed a response letter that had been drafted by John Cole.
 - Board members received Intrado's final report and a CD which contained the report.
 - A proposed carrier launch schedule prepared by Intrado was distributed to members. After review, it was determined that the wireless carriers need to review the schedule to confirm the days from Request for Service to deployment. Also the PSAPs needed to confirm the target date to issue the Request for Service.
 - The board was also asked to approve the Maui launch schedule. After discussion it was concluded that the PSAPs determine the order of implementation of wireless carriers. Therefore, the board made no decision on the Maui launch schedule and left it to the Maui PSAP to decide.
 - The Board Chair will send a request to Mobi regarding enhanced wireless 911 assessments.

5. Policies and Objectives Committee:

- Either the Chair or the Vice Chair will provide the testimony on the bills being proposed based on their availability.

6. Administration Committee:

- The board reviewed a motion to include Akimeka Technologies LLC and 911 Insight as subcontractors on the Akimeka LLC contract to perform the functions of Executive Director and to handle the operational responsibilities of the board. Phil Kahue of Akimeka Technologies LLC explained that that company would provide the services of Executive Director as he would be performing those responsibilities and he is an employee of that company. 911 Insight would be a subcontractor to provide the technical expertise in the area. Akimeka LLC would provide all other responsibilities and services required under the contract. The board approved the motion for the inclusion of the two subcontractors in the Akimeka LLC contract.

7. PSAP Status Updates

- Kauai: No change from previous month.
- Oahu: Waiting for a resolution from City Council to accept funds from the board to be able to fly to Maui to view the PSAP operations. It was also suggested that while on Maui, the two PSAPs discuss VOIP issues as Maui has begun to receive VOIP 911 calls.
- Maui: Coordinating meeting with Oahu PSAPs.
- Molokai: Only needs to send out request for service letters to wireless carriers to commence installation.
- Hawaii: No update.
- Pearl Harbor and Hickam: No update.

8. The next meeting will be on February 10.

9. Meeting was adjourned at 11:50 a.m.

**Wireless Enhanced 911 Board
January 13, 2006 Meeting
Finance Committee Report**

- I. First Hawaiian Bank accounts
 - a. Account Interest
 - b. Deposits
 - i. Wireless E911 General Fund - \$8.5 million
 - ii. Wireless E911 Grant Fund
 - c. Surcharge collection trend
 - i. \$558K in October 2005
 - ii. \$6.7M annualized
- II. Payments
 - a. Second installment of Intrado contract (\$58,000)
 - b. Travel reimbursements
- III. Issues for discussion
 - a. Financial audit once administrator is finalized

Hawaii Enhanced 911 Board Meeting
Technical Committee Report- Pete Jaeger Chairman

January 13, 2006

1. Grant consultant – Intrado update.
 - a. Intrado's Final report.
 - b. Hawaii Data stream
 - Test completed by NPI and Maui County- Company ID now appearing.
 - Decision needed by Maui County
2. Carrier updates on Maui (911 deployment):
 - a. Board needs to review and recommend an order for restart of Maui deployments
 - b. Intrado will help Maui draft a letter- follow up on this request
 - c. Sprint, Verizon, T Mobile, and Cingular on hold at request of Maui County
 - d. Additional Cingular update from Jeff.
3. Mobi- launched January 3, 2006
4. VOIP – discussion
 - a. Hawaiian Telcom presentation
 - b. Board response to Jeffrey Citron (Chairman/CEO of Vonage) on his request to assist to make as many PSAPs as possible fully VoIP E-911 capable.
 - c.

Respectably submitted by Pete Jaeger

Proposed Carrier Launch Schedule

Per FCC, the WSP has 180 days to deploy service from the date which they receive a valid request for service (worst case).
In many cases, carriers are able to deploy in as little time as 90 days (best case).

PSAP	Carrier	Target RFS Date	Target Deployment Date		Days from RFS to Deploy		Comments
			Best Case Date	Worst Case Date	Best Case Date	Worst Case Date	
Maui PD	Nextel Partners	Previously submitted	8/2005 - Completed				
Maui PD	Verizon Wireless	Previously submitted	12/19/05	1/6/06			Trunk installation confirmed
Maui PD	Cingular Wireless	Previously submitted	1/4/06	1/18/06			Trunk installation Not confirmed
Maui PD	Sprint PCS	Previously submitted	1/11/06	1/25/06			Trunk installation Not confirmed
Maui PD	T-Mobile	Previously submitted	2/22/06	2/28/06			Confirmed trunks not installed
For the period between March 1 and April 7, 2006, Hawaiian Telcom will be migrating to a new ALI database service. Therefore, no carrier launches are scheduled during this time period.							
Molokai PD	Nextel Partners	12/20/05	4/11/06	6/14/06	112	176	
Molokai PD	Verizon Wireless	12/20/05	4/12/06	6/15/06	113	177	
Molokai PD	Cingular Wireless	12/20/05	4/13/06	6/16/06	114	178	
Molokai PD	Sprint PCS	12/20/05	4/14/06	6/17/06	115	179	
Molokai PD	T-Mobile	12/20/05	4/15/06	6/18/06	116	180	
Hawaii PD	Nextel Partners	12/20/05	4/10/06	6/14/06	111	176	
Hawaii PD	Verizon Wireless	12/20/05	4/11/06	6/15/06	112	177	
Hawaii PD	Cingular Wireless	12/20/05	4/12/06	6/16/06	113	178	
Hawaii PD	Sprint PCS	12/20/05	4/13/06	6/17/06	114	179	
Hawaii PD	T-Mobile	12/20/05	4/14/06	6/18/06	115	180	
Honolulu PD / Pearl Harbor / Hickam	Nextel Partners	1/16/06	4/16/06	7/11/06	90	176	
Honolulu PD / Pearl Harbor / Hickam	Verizon Wireless	1/16/06	4/17/06	7/12/06	91	177	
Honolulu PD / Pearl Harbor / Hickam	Cingular Wireless	1/16/06	4/18/06	7/13/06	92	178	
Honolulu PD / Pearl Harbor / Hickam	Sprint PCS	1/16/06	4/19/06	7/14/06	93	179	
Honolulu PD / Pearl Harbor / Hickam	T-Mobile	1/16/06	4/20/06	7/15/06	94	180	
Kauai PD	Nextel Partners	1/23/06	4/23/06	7/18/06	90	176	
Kauai PD	Verizon Wireless	1/23/06	4/24/06	7/19/06	91	177	
Kauai PD	Cingular Wireless	1/23/06	4/25/06	7/20/06	92	178	
Kauai PD	Sprint PCS	1/23/06	4/26/06	7/21/06	93	179	
Kauai PD	T-Mobile	1/23/06	4/27/06	7/22/06	94	180	

Notes/Assumptions: Deployment date dependencies include:

- availability of facilities from Carrier MSC to Inter-island tandems
- recommended PSAP upgrades completed by projected deployment dates



EXECUTIVE CHAMBERS
HONOLULU

LINDA LINGLE
GOVERNOR

January 12, 2005

Mr. Jeffrey A. Citron
Chairman and CEO
Vonage Holdings Corp.
23 Main Street
Holmdel, New Jersey 07733-2136

Dear Mr. Citron:

Thank you for your letter dated December 15, 2005, regarding VoIP E-911 implementation in Hawaii. I agree that the provision of enhanced 911 (E-911) services for consumers using voice over internet protocol (VoIP) is an issue of vital importance.

Hawaii is in the midst of a transition to enhanced 911 for wireless services pursuant to Federal Communications Commission requirements and Hawaii Revised Statutes, Chapter 138. Thus, it is likely a good time to work with the public safety answering points (PSAPs), which are currently upgrading systems and software, to ensure they are able to properly process VoIP E-911 calls.

The wireless enhanced 911 board, which oversees the expenditure of money collected from wireless subscribers to implement wireless E-911 services, consists of representatives from county PSAPs, the incumbent local exchange carrier (ILEC), the consumer advocate, as well as wireless providers. John Cole, the Executive Director of the Division of Consumer Advocacy, Department of Commerce and Consumer Affairs, has begun looking into the VoIP E-911 issue, and will bring it up for discussion at the January 13 wireless E-911 meeting.

Mr. Cole will contact you after that meeting, at which time he will be better informed regarding the PSAP capabilities necessary to process VoIP E-911 calls, and the status of your communications with Hawaii PSAPs and its ILEC. Also, please feel free to contact Mr. Cole at 808-586-2770.

Sincerely,

LINDA LINGLE

C: FCC Chairman Kevin Martin
FCC Commissioner Michael J. Copps
FCC Commissioner Jonathan S. Adelstein
Chairman Carlito Caliboso, Hawaii Public Utilities Commission
BC: Mark Recktenwald, Department of Commerce & Consumer Affairs *mr*
Office of the Governor
John Cole, Division of Consumer Advocacy

Can + LG

05:121925

VONAGE
THE BROADBAND PHONE COMPANY

Read by Mark ...
12/15/05

December 15, 2005

VIA OVERNIGHT DELIVERY

The Honorable Linda Lingle
Governor
State of Hawaii
State Capital - Executive chambers
Honolulu, HI 96813

Re: VoIP E-911 Implementation in Hawaii

Dear Governor,

I write to seek your personal assistance and leadership on an issue of vital importance to your constituents as Voice over Internet Protocol (VoIP) providers deploy and implement enhanced "E-911" services in Hawaii.

Vonage, the nation's largest provider of nomadic interconnected VoIP information services in the United States has undertaken painstaking efforts to develop and acquire the systems, capabilities, methods and procedures needed to provide full E-911 services nationwide. Vonage has undertaken these efforts in accordance with the Federal Communications Commission's *E-911 VoIP Order* and as a willing partner with state and local public safety officials.

Today, most of the nation's 911 call centers and public safety answering points (PSAPs) have E-911 for traditional wireline callers. Accordingly automated systems can identify the wireline caller's telephone number and physical location, and route the call to a PSAP designated for that location. As the vast majority of these systems were built decades ago, new technologies such as wireless (*less than 50% of the nation's call centers have wireless E-911*), and now nomadic VoIP (*less than 35% of PSAPs serving Vonage customers are capable of receiving E-911*) are challenged to implement these capabilities in an accelerated timeframe as mandated by the FCC.

We would like to change the current situation, and firmly believe that you can help as we work in Hawaii to achieve the fastest nomadic E-911 deployment to date.

A key measure of our progress, and for that matter the nation's 911 capabilities, is the ability of a PSAP to receive a Vonage E-911 call. At present, not one SAP in Hawaii is capable of receiving a Vonage E-911 call. Working with you, and officials in your State, we would like to be completely integrated into the Hawaii PSAP network.

Deploying VoIP E-911 can be achieved in an accelerated timeframe, but it requires dedicated and active participation by a few key stakeholders: (1) a representative of the 911 authority; (2) a project manager from the 911 System Service Provider and their third party vendors, (usually the Local Exchange Carrier); (3) a dedicated resource from the VoIP provider and their third party vendors. We stand ready to join you or a designated official from Hawaii to develop a forward path of convening stakeholders for the purpose of accelerated progress of VoIP E-911.

Additionally, there are some in the public safety community positing that VoIP providers are unwilling to financially contribute to the 911 system. I want to personally assure you that from Vonage's perspective this is totally false. Vonage is actively seeking alternative methods that allow us to legally contribute to the 911 system on a statewide basis. To date, we have begun such efforts and commenced discussions with the National Association of State Nine-One-One Administrators (NASNA), the National Emergency Number Association (NENA), and the Association of Public Safety Officials International (APCO). In several states we are presently contributing and/or are in discussions to develop methods of payment for E-911.

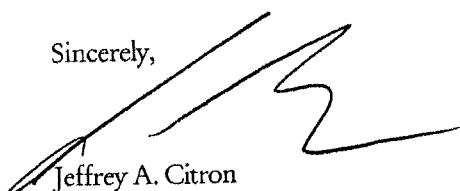
Vonage has dedicated extraordinary resources to advance our E-911 systems and capabilities. To date, Vonage has committed over \$50 million in our E-911 deployment and has 125 people working on implementation efforts. In support of the Vonage E-911 deployment we have built or purchased new equipment and entered into numerous national agreements with third party technical and operational vendors to better serve our implementation. We have reached out to over 5,000 PSAPs, provided state specific deployment kits and have made numerous public presentations regarding the deployment of E-911 services for Vonage customers at state conventions, national forums and in response to local requests. In Hawaii alone, we have contacted the five PSAPs, sent deployment kits and have participated in numerous interviews to gather the necessary data to deploy E-911. As of today, however, not one of the local call centers in Hawaii is fully VoIP E-911 capable.

In the interim we have taken aggressive steps to move forward. At present we are routing our E-911 calls to the native 911 network through traditional methods. And in the few instances where we are unable to connect to the native 911 system our customers are routed to our own 911 Safety Net Call Center where emergency calls are handled in-person by APCO 33 trained dispatchers.

We would like to move beyond these interim methods. Based on your leadership and my personal commitment that Vonage is devoted to deploying E-911 in your State, I respectfully request your assistance to migrate as many of your PSAPs to full E-911 capabilities.

Thank you for taking the time to consider this important request. If you or your Office have any questions, please don't hesitate to contact us.

Sincerely,



Jeffrey A. Citron
Chairman and CEO
Vonage Holdings Corp.

cc: FCC Chairman Kevin Martin
FCC Commissioner Michael J. Copps
FCC Commissioner Jonathan S. Adelstein
Chairperson Carlito Caliboso Public Utilities Commission